

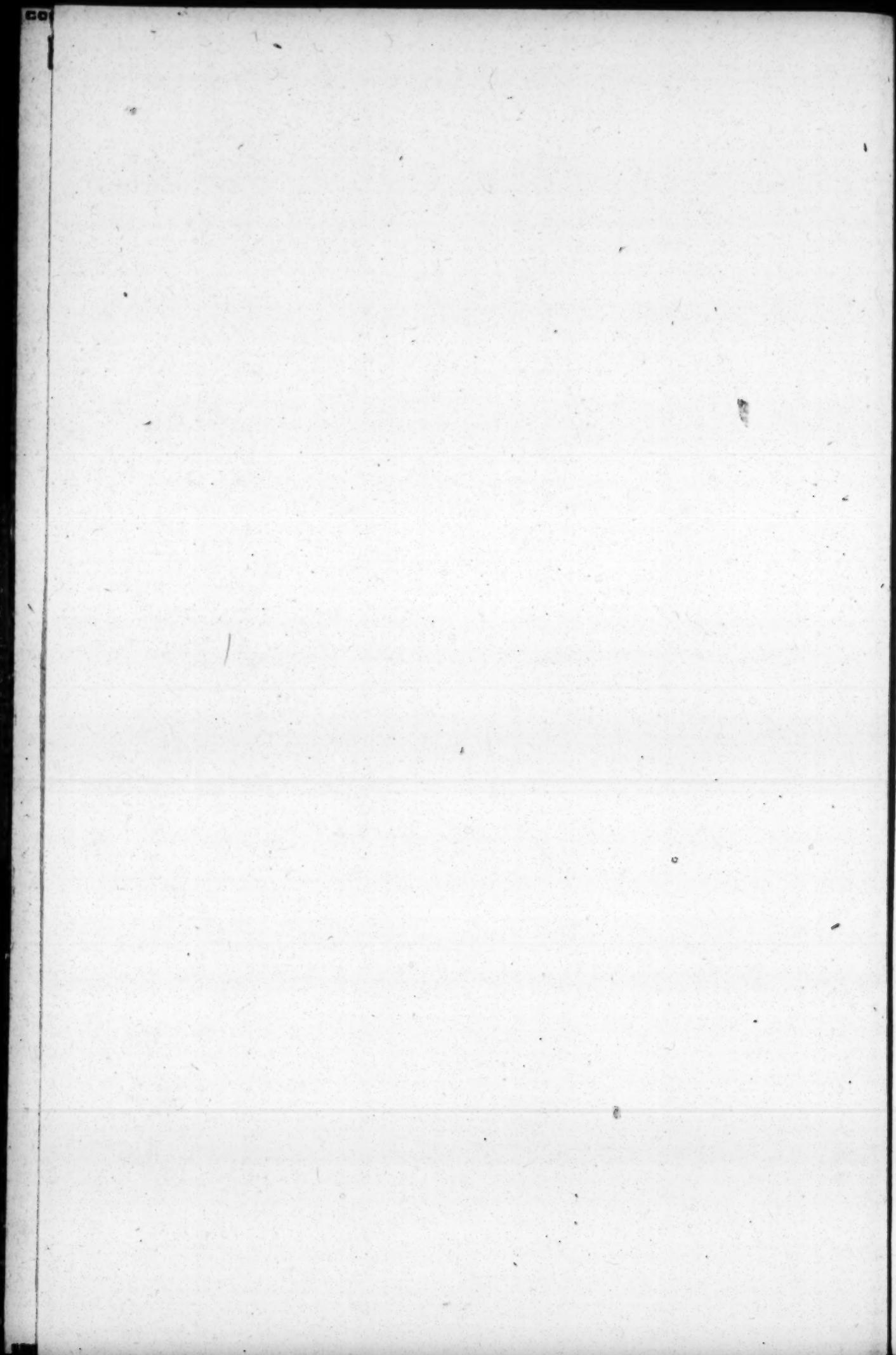




GOODSPEED, BOSTON.

E187









Unius labor multorum laborem allevat

AN

# EPHEMERIS OF

Cœlestial Motions, Aspects,  
Eclipses, &c. For the Year of the  
Christian Era 1682.

Being from

The	Creation of the World.	5634.
	Flood of Noah.	3975
	Constitution of the Julian Year	1726
	Suffering of Christ.	1649
	Correction of Calend. by P. Greg.	10°
	Laying the foundation of Harv. Col	40
	Leap year (in our account)	03

The Vulgar Notes are

Cycle of Sun & Moon 11 Epact 1  
Dominical Letter — A Number of Direct. 26

Calculated for 5<sup>th</sup> Meridian of Boston in N-England  
where the North Pole is Elevated 48 degr.  
30 min. Longitude 315 Degr.

By W. Brattle Philomath.

Genesis 1.14. And God said, Let there be Lights in  
the Firmament of the Heavens, to divideth the Day  
from the night, and let them be for Signs &  
for Seasons, for Dazes & for Years.

C A M B R I D G E

Printed by Samuel Green 1682.

ex dono Authoris Jan: 30. 1681.

## ECLIPSES in the year 1682.

There will happen (this Year) four Eclipses of the two greater Luminaries; two of them (if the weather permit) may be observed q/ us.

The first Eclipse will be of the Sun on July the 24. but it will be so small (where most visible) that it will not be worth Observation.

The Second will be of the Moon, on the seventh day of August. This will be visible to us, and worthy of our Observation.

Beginning 23 minutes past 11 at night.

Beginning of Total Obscuration 34 min. p. 12

Middle of the Eclipse 26 min. past 1 morning

End of Total Obscuration 19 min. past 2

End of the Eclipse 20 min. past 3

Digits eclipsed 17 58

The third Eclipse will be of the Sun on January 17. This likewise will be visible to us in N-England.

Beginning 23 min. past 8 morning

Middle 53 minutes past 9

End of the Eclipse 32 minutes past 11

Digits Eclipsed 6 45

The fourth and last Eclipse will be of the Moon on February 1, but it will be invisible to us, the Sun being above our Horizon.

Splendid Venus having been our bright Morning Star from the beginning of this Year unto 12 of April then becomes Occidental, and our Evening Star, so continuing to the 3 of January, and then again becomes our morning Star, so remaining to the end of this Year.

On the 12 of September will be Celebrated a most famous conjunction of those two Cœlestial Maleticks  
SATURN and MARS.

March hath 31 dayes.

D. ☉rise ☊set ☽place ☽place ☉place ☽place

25	6	13	5	48 <sup>00</sup>	☽ 22	10 <sup>00</sup>	15 <sup>01</sup>	☽ 34	11 <sup>18</sup>	18 <sup>05</sup>	☽ 12
26	6	05	5	55 <sup>00</sup>	12	10	28 <sup>03</sup>	44	17	30	12
1	3	59	6	01 <sup>00</sup>	07	10	44 <sup>09</sup>	35	21	43	19
6	5	51	6	09 <sup>00</sup>	02	11	02 <sup>13</sup>	22	29	51	24
21	5	43	6	15 <sup>00</sup>	00	11	25 <sup>17</sup>	11	05	☽ 56	26
26	5	37	6	23 <sup>00</sup>	D.	01 <sup>11</sup>	5 <sup>22</sup>	17	12	17 <sup>23</sup>	00

MW Moons quart. Aspects. Courts &c ☉place. ☽place. mut. Asp.

1	1	East DORCHESTER.
2	1	Court Hartford. ☽h. *♀♀
3	5	
4	7	450 K. Edw. 4 Reign. 22 y.
5	A	□♀ *♀. (*☽h)
6	7	First quart. 34 m past noon
7	3	Court Affit. Bost. C. Ply. ☽h
8	4	△○ σ h.
9	5	△σ Δ♀
10	6	Day & night equal Δ♀
11	7	*♀
12	1	♂ ♀
13	2	Full moon 8 m. past 5 morn
14	3	Count. Court Fairfeild. ☽h
15	4	
16	5	△♀
17	6	△h Δ♀
18	7	△σ
19	1	△♀
20	2	1412 K. Henry 5 R. 9 y. ♀♀
21	3	Sec. quart. 56 m. p. 7 n. ☽h
22	4	♂h ☽h *♀
23	5	
24	6	1602 K. 2 times R. 22 y. *☽♀
25	7	△♀
26	1	
27	2	1625 K. Charl. I R. 27 y. Δh
28	3	Court Ips. N-Hamp. ☽N-moon
29	4	□h σ σ ♀. (19 m. p. 6 night)
30	5	*♀
31	6	*h

21	☽ 19	
22	* 02	
23	7 16	
24	6 29	
25	5 27	□ ♀ ♀
26	4 36	
27	3 27	Tide rise
28	2 35	Perig.
29	1 34	
30	0 24	△○ h
31	33 09	○○○
01	31 23	Tide Fall.
02	30 07	□ σ ♀
03	29 20	
04	28 31	
05	27 30	
06	26 29	18
07	25 28	→ 01
08	24 28	19
09	23 27	25
10	22 26	☽ 01
11	21 25	19
12	20 24	□ ○ ♀
13	19 23	Ap. U Re
14	18 22	h Di. (tro.)
15	17 21	25
16	16 19	☽ 07
17	15 18	19
18	14 17	□ ♀ ♀
19	13 16	○ σ ♀ &
20	12 15	Tide rise
21	11 14	σ ○ ♀
22	10 13	
23	9 12	σ ♀ ♀
24	8 11	
25	7 10	
26	6 09	

W.

The Vernal Rams-born shall no sooner Sound,  
But lifeless Beings latent in the ground  
Shall pierce the clodded earth, Spring up & thrive,  
Till at the height of Nature they arrive.  
But at it Taurus frets, & does Inch nips  
To many give, as will their lives Eclipse.

April hath 30 days.

D. ☽ rise ☽ set ☽ place ☽ place ☽ place ☽ place

01 05 28	06 32 00	07 12 03	25 V 27	19 V 41	18 V 34
06 05 21	06 38 00	14 13 07	29 10 25	53 15 01	
11 05 15	06 45 00	24 13 47	02 02 51	03 13 21	
16 05 09	06 51 00	27 14 27	06 31 08	13 13 D 31	
21 05 02	06 58 00	52 15 12	10 11 14	23 15 42	
26 04 56	07 04 01	09 16 01	13 49 20	32 19 33	

MW Moons quar. Aspects Courts &c. ☽ pla. C p:a, mu: Alpe

27			22 V	II 10	
28	* ♀ ♀ ♂ ☽		23 11	24	
29	○ ♀ ♂	24 10	08		
30	Court Cambr. 1. Court quart. 6 m 25 08		22		
1	○ ♂ (p. n. □ ♀ ♀ ♂	26 07	06	Perig.	
2	1199 K. John reigned 17. Δ ♀ ♀	7 05	20		
3	Δ ♂	28 04	04	Lun ♂	
4	* ♀	19 03	18	□ ♂ ♂	
5	1483 K. Edw. 5. Reig. 2 m. 0. * ♂	00 02	02	□ ○ ♂	
6	□ ♀ ♂ Mer.	01 00	15	□ ♀ Mer	
7	Full moon 57 m. p. 4. nig. C. 01 58	02 00	00	Lun ♂ ♂ ♀	
8	1640 Civil wars E. (at Salsbury) 02 57	13			
9	Δ ♂	03 55	26	○ ♂ ♀ ♂	
10	Δ Mer.	04 52	09	Mer. Direct	
11		05 51	21		
12	Δ ○ ♂ ♀	06 49	03		
13	♂ ♀ □ Mer.	07 47	15		
14	♂ ♂	08 46	27		
15	Second quart. 8. m. p. 2. afternoon	08 08		Lun Apog	
16	1509. K. Henry 8. Reigned 37	10 20		□ ♀ Mer	
17	Δ ♂	11 42	02	* ♀ ♀	
18	□ ♀	12 38	15		
19	County Court Boston ♂ Mer	13 27			
20		14 32	16		
21		15 31	23	* ○ ♀	
22	New Moon 32. m. p. 5. morn.	16 07	07	Tides rise	
23	1509. K. Henry 8. Reigned 37	18 21	21		
24	Δ ♂	19 25	05		
25	County Court Boston ♂ Mer	20 19	04	* ♀ ♂	
26					
27					
28					
29	* Mer. Flurry of				
30	A				

The Rusticks now the Flesh to satisfie,  
Will not obscene, and dirty acts desie;  
With Sweat they toil in th'earth, and do expect  
Seed by their Mother [ Tellus ] to effect.  
But, if the heavens do from sweat abstain  
The Rusticks sweat will wholly be in vain.

# May hath 31 dayes.

D.	○	rise	set	☿ place	Ju. place	☿ place	♂ place	♀ place
1	04	51	07	09	01	16	05	11
2	04	45	07	15	01	17	45	21
3	04	40	07	20	02	18	36	24
4	04	37	07	23	02	19	34	28
5	04	33	07	27	03	20	33	01
6	04	29	07	31	03	21	32	05

M.W. Moons quart. Aspect Courts &c. ○ place ☽ place ☿ place mut. asp.

1	2	* ○	○ ♀	* ♂	21	318		
2	3	* ♀	□ ♀	○ ♂	22	15	51	perig.
3	4	☽ First quart. 55 m past 9 a m	☽ past 9 nigh	☽	23	1	17	Fides Fall
4	5	□ ♀	△ Mer.	□ ♂	4	11	31	○ db
5	6	* ♀	△ ♂	□ ♂	25	08	15	* ♀ Sa.
6	7		* ♂	□ ♂	26	06	28	
7	8	□ Jupiter		□ ♂	27	0	12	☽ Saturn
8	9				3		25	
9	10	□ Saturn	♂ Mercury	♂ ♂	28	58	11	
10	11		♂ ♂	♂ ♂	29	50	21	
11	12	C. Electi. Hartf.	● Fullmoo	○	00	1	10	
12	13		(40 min. p. 5 morn)		01	51	17	
13	14	Trine Mercury			2	4	29	* ○ Satu
14	15		♂ Jup.	△ ♂	3	46	11	
15	16	Trine ○	♂ ♂	□ ♂	4	43	23	
16	17		○ Mercury	○ ♂	5	41	00	☽ Apog.
17	18			□ ♂	06	30	17	
18	19	☽ Second quart. 13 m p. 7 morn	□ ♂	○ ♂	07	23	29	
19	20	Trine Jupiter		○ ♂	28	32	11	☽ ♀
20	21		Trine ♂	* ○	09	30	23	
21	22	□ Jupiter	○ ♂	* ♀	10	27	05	
22	23				11	24	18	
23	24	Court ELECTION Boston	○ ♂		12	21	01	* Sa. ♂
24	25	○ ♂ & Mer. fury			13	18	15	
25	26	● New moon 25 m p. 2 aftern.			14	16	29	○ Mat. Mer.
26	27		○ ♀		15	13	14	☽ Tides tise
27	28				16	11	29	
28	29				17	08	14	
29	30	K. Charles 2 born 1630 ○ ♂ Ju			18	05	28	☽ Perig.
30	31	Conrt Assit. Hartford			19	02	13	☽ Tides fall
31	4				19	59	27	○ db

Hundreds of Apes allmost every where  
 Will now appear with wings flying in th'Air,  
 Who will be bravely Arm'd with such a Spear,  
 That th' stoutest men them for to vex will fear,  
 But (Friends) Fear not, this news it doth portend  
 No harm at all, but sweet things in the End.

June hath 30 dayes.

D. ☽ rise. ☽ seti ℥ place. ♀ place. ♂ place. ♀ place

1 4 28	07 32	04 52 14	22 06 10 19	II 24	04 50 12	19 II 09
6 4 27	07 33	04 44 23	49 12 54	10 50	29 46	
1 4 25	07 34	05 18 24	52 16 24	16 57	10 55 19	
1 6 1 27	07 35	05 52 25	57 19 44	23 53	20 27	
2 1 1 25	07 32	06 27 27	03 23 07	29 10	28 49	
2 6 1 30	07 30	07 03 23	08 26 28	05 52 15	0 52 38	

M. W. Moons quart Aspects. Courts &c ☽ place. ♂ place. mut. asp

1 5	□ ♂	20 II	☽ II
2 1	7 First quart. 12 m past 4 morn.	1 55	25
3 7	Δ ♂ □ ♀	2 51	09
4 A	△ ☽ □ ♀ Δ ♀	2 349	22
5 2	Artillery ELECΓ. Boston,	2 447	05
6 3	Court Elect Plym. C.N-Lon. □ ℥	2 5 43	18
7 4	Δ ℥ (Δ ♀	2 6 40	10
8 5	♂ ♂	2 7 37	13
9 6	● Full moon 20 m past 7 night	2 8 35	25
10 7	♂ ♀	2 9 21	07
11 A	Longest day ♂ ♀	3 0 05	19
12 2	♂ ♀ ℥	3 0 25	01
13 3	Δ ♂	3 2 22	13
14 1	County Court N-haven	3 3 19	25
15 5	●	3 4 16	07
16 6	Δ ♀ □ ♂ Δ ♀	3 5 13	19
17 7	3 Sc. quart. Empson. Δ ℥ 2	3 6 11	01
18 1	●	3 7 03	13
19 2	□ ♀ * ♂ □ ♀ □ ♀	3 8 05	26
20 3	County Court Charlestown. * ☽	3 9 02	10 ☽ Ju. ♀
21 1	1337 K Richarl 2 Rezn. 22 y.	3 9 59	23 ☽ ♀ ♀
22 2	1483 K Etw 3 R. 2 y. * ℥	4 0 46	II 07
23 5	○ ♂	4 1 53	22 Tides rise
24 1	● New moon 15 m past 10 night	4 2 50	2 27
25 2	○ Jupit r	4 3 47	2 28
26 3	○ ℥ ♀ ♀	4 4 44	☽ 07
27 1	County Court Salem. * ♂	4 5 41	22
28 2	●	4 6 38	☽ 07
29 3	● ℥ ♀ ♀ * ☽	4 7 35	13 Perig.
30 4	● ℥ ♀ ♀ ☽ ♂	4 8 32	2 05 Tides fall

Now so his course to Cancer's house doth steer,  
And being merry Sylly dorth him jeer,  
For he no sooner on the Cr b dōes look  
But backward goes and to the Crab's forsook.

Our dayes at length now gradually decay,  
And heat encrescs (as they're us'd to say.)

July hath 31 dayes.

D. ☐rise ☐set ☰ place ☰ place ☰ place ☰ place ☰ place

1 04 32	07 28 07	07 39 29 06	14 29	11 11	11 21 14	SL 48
6 04 36	07 24 08	18 00	22 03	11 17	26 20	54
11 04 40	07 20 08	56 01	28 05	59 23	31 25	56
16 04 45	07 15 09	35 02	35 09	40 29	36 29	48
21 04 50	07 10 10	43 03	41 13	06 05	40 01	W 51
26 04 55	07 05 10	51 04	48 16	22 11	42 01	R 38

M W Moons quart, Aspect Courts &c. ☐ plac. ☐ plac. ☐ plac. ☐ plac.

1 7	First quarter 27 m. past noon	19 05	10
2 11	☐ h Δ ☰ ☰	20 27	M 0
3 2	☐ ☰	21 24	15
4 3	Court Plymouth Δ ☰	22 21	28
5 4		23 15	10
6 5	189 K. Richard 1 Reignt. 2	24 12	22
7 6	1367 K. Edw, 3 R. 19 (1553) Q M	25 12	W 04
8 7		26 09	16
9 8	Full moon 55 m p. 9 foren. &	27 07	28
10 2	☐ h (☐ Ju.	28 04	W 10
11 3	☐ Mer.	29 50	23
12 4	W. Δ ☰ Taylor	29 01	Mer. Apog.
13 5		00 01	28
14 6	Δ ☰	01 53	10
15 7	Δ h Δ *	02 51	22
16 A		03 47	05
17 2	Sec. quart. 20 m p. 11 oren. &	04 45	10
18 3	(☐ h * Δ ☰	05 42	08
19 4	Dog dayes begin *	06 39	Π 03
20 5	* h	07 36	11
21 6	* ☰	08 33	21
22 7	Gol. ☰ Δ ☰ Robert	09 31	15
23 A		10 2	SL 01
24 2	New moon 54 m past 4 morn	11 2	3 O h
25 3	County Court Boston ☰ ☰	12 2	W 06 this is a ha
26 4	Δ ☰ * ☰	13 19	very high
27 5		14 1	Side Cob
28 6	* ☰ h *	15 1	
29 7		16 11	28
30 A	First quart. 36 m p. 9 night	17 0	M 11
31 2	☐ ☰	18 07	24

Young Blades with beards (this month) there wil appear  
Wom for to shave, the Country men wo'nt fear;  
Crookt Razors, and course hones are bought, and they  
The Barbers trade do'nt blush to steal away.

IF th'R sticks let these beards alone too long,  
Them Leo with his scorching breath will wrong.

August hath 31 dayes.

Do  $\odot$  rise  $\odot$  set  $\text{H}$  place  $\text{Y}$  place  $\text{G}$  place  $\text{Q}$  place  $\text{Q}$  place

1 05 02	06 58	11	Ω 37	06	Ω 07	20	Ω 16	18	Ω 38	28	Ω 48
6 05 08	06 52	12	16	07	12	23	30	24	59	24	46
11 05 15	06 45	12	53	08	17	26	42	01	00	21	64
16 05 25	06 38	13	30	09	22	09	54	06	52	18	57
21 05 29	06 31	14	07	10	23	03	Ω 05	13	02	02	D 26
26 05 35	06 25	14	43	11	24	06	15	20	00	25	22

M.WMoons quart. Aspect.Courts &c. ☽ pla. ☽ pla. mut. Aspect

Commencement's come, but (friendly) I Advize  
All sorts of Rabble now their Homes to prize,  
For if to it they come, so blind they'll bee,  
That Really no Body they will see.

Now Sol to Virgo goes, & there does stay;  
Till that his Heat does very much Decay.

Monday Aug. 21. The Reverend  
Rev. Isaac Eller buried. vi. 86.

# September hath 30 dayes.

D	Orise	ser	h place	W place	♂ place	♀ place	♀ place
01	5	44	6 16	15 26	12 35	10 57 01	26 21 15
06	5	51	6 09	16 01	13 33	13 06 02	16 07 13 02
11	5	37	6 03	16 30	14 29	16 16 11 08	13 22 13
16	6	05	5 55	17 00	15 24	19 16 13 59	00 15 00
21	6	12	5 48	17 30	16 16	22 21 19 47	10 58
26	6	20	5 40	17 58	17 05	25 25 38 18	19 41

W Moons qua rt. Aspects. Courts &c ♂ place. ♀ place. mur. Asp.

1	6	Δ ♀	□ ♀	19	III	W 22	
2	7	♂ h	♂ ♀	20	IV	W 04	
3	A	Δ ♀	Δ ♀	21	07	16	Ap 03.
4	2	Court Assistants Boston.	♂ ♀	22	01	27	
5	3	Full moon y, m. past 4 afterno	♂ ♀	22	59	09	
6	4	County Court Hartford	♂ ♀	23	58	21	Cap T. r.
7	5	Δ h ♀ ♂	♂ ♀	24	57	V 04	♂ ♀ ♀
8	6	1088 W. Rufus Reigned 12 y.	♂ ♀	25	55	16	
9	7	Arillery Elect. Cambridge	Δ ○ ♀	26	54	29	
10	A	♂ ♀ □ h ♀ ♂	♂ ♀	27	53	11	
11	2	Artillery Elect. Cambridge	Δ ○ ♀	28	52	24	
12	3	* h ♀ ♂ Comencme	♂ ♀	29	II 08	○ h ♂	
13	4	(Sec. quart. 23 m. p. 6 morn	□	30	48	2	
14	5	○	○	31	48	05	
15	6	Δ ♀	(♀	32	47	15	
16	7	○ h ♀ ♂	* Mercury	33	46	01	
17	A	○ h ♀ ♂		34	45	18	□ ♀ ♀
18	2	Court N-London	* ♀	35	45	W 03	○ ♀ ♀
19	3	○	○	36	44	17	h Ve.
20	4	New moon 22 m. past 9 night	○	37	43	02	Cap &c
21	5	○ ♀		38	42	17	(Tide fi
22	6	* h ♀ ♂		39	41	01	
23	7	□ h	Qu. ♂ ○ ♀	40	40	15	
24	A	* ○ Δ ♀	○ ♀	41	41	28	* V ♀
25	2	Court Ipsw. Springf.	Δ h ♂	42	39	11	* h ♀
26	3			43	38	24	○ V e
27	4	(First quart. 25 m. p. 7 morn	○	44	38	W 06	
28	5	(		45	37	18	
29	6	* ♀ 1399 K. Henry 4 Reig. 13 y	○	46	37	00	
30	7	Δ ○ ○ h ♀		47	36	12	* ○ Ju.

it.

Watch

Now, that our Dayes and Nightes might Equal be,  
 The measurer thereof [ Thebus ] does flee  
 Unto the Scoales of justice, and does cause  
 Darknesse our Light to weigh with equal Poise.  
 Young Folks in Feilds so Wanton now appear,  
 That some Poor men will lose their Ears, I fear.

October hath 31 dayes.

D. ☽ rite ☽ fet ☽ place Jus. place ☽ place ☽ place

1 16	27 05	33 18	24 17	28 25	14 → 17	27 13 39
6 06	34 05	20 18	49 18	36 01	14 07	05 11 54
11 06	41 05	19 19	13 19	16 04	21 12	59 13 35
16 06	47 05	13 19	25 19	55 07	19 18	40 20 30
21 06	54 05	06 19	50 20	30 10	16 24	16 28 08
26 07	00 05	07 20	03 21	00 13	08 29	49 44 → 48

M.W. Moons quart. Aspect Courts &c. ☽ place ☽ pla. mut. Asp

1 A	♂ ♂	Trine Mercury	18	24	* ☽	☽
2 2	□ ☽		19	36	☽ 06	☽
3 3	Court at Cambridge		20	35	18	☽ Apoge
4 4	Trine Venus		21	35	☽ 00	* ☽ Me
5 5	Trine Jupiter		22	35	12	
6 6	Full moon 27 min. p. 8 morn.		23	35	25	
7 7	Trine ♂ ☽ Mercury		24	34	☽ 05	Tide rise
8 A	□ ☽ Jupiter		25	34	21	
9 2	□ ♂ ☽ ☽		26	34	10	♂ ☽
10 3	Court Aislt. Harts. C. Hampton		27	34	18	
11 4	Trine ☽ * ♂		28	34	02	
12 5	Δ Mercury		29	34	16	
13 6	Secondqua. 21 m. p. 2 aftern.		30	☽ 00		
14 7	♂ ☽ ♪ ☽ ☽ Δ ☽ &		01	34	14	
X 15 A	* ☽ (1066 K. W. Conq, b. 20		02	34	28	☽ ♪ ☽
15 2	□ ☽		03	34	12	
16 3	* Mercury		04	34	27	Δ ♪ ☽
17 4	1216 K. Henry 3 Regned. 56 y.		05	34	11	
18 5	* ☽ ☽ ♪		06	34	25	
19 6	New morn 41 min. p. 8 morn.		07	35	☽ 05	Tide fall
20 7	☽ ☽ Mer. ☽ Jupiter		08	35	26	
21 8	□ Mars		09	35	16	
22 9	Δ Saturn Jupiter		10	36	19	
23 10	○ Venus		11	36	02	
24 11	Tr. ♂ 1154 K. Henry 2 R. 34		12	36	14	* ☽ ♂
25 12			13	37	26	☽ Apoge
26 13	* Mercury		14	37	08	
27 14	First qua. 2 m. p. 3 morn. ☽		15	38	25	
28 15	* ☽ (Saturn Jupiter		16	38	02	
29 16	Trine ☽ ☽ Mars		17	39	14	
30 17	C. Court Boston & Plym.		18	39	26	

How Happy will this month to many be,  
 Men that ha'nt Eyes will very clearly see;  
 And hundreds (doubtless) will be wholly C'ard'd  
 Of all the Ach's and Pains, they ev'r endur'd.  
 But though Physicians Cure them, yet they are  
 So Humble, that to Owne it they wo'nt care.

November hath 30 dayes.

D. ☽rise. ☽ seti ☽ place. ☽ place. ☽ place. ☽ place

107 08	04 52	20 32	18	21	31	16	12	32	06	10	22	12	10
607 13	04 47	20	27	21	53	19	30	11	42	17	13		
1107 18	04 42	20	34	22	12	22	06	16	55	20	21		
1607 23	04 37	20	38	22	24	24	51	22	09	19	R 57		
2107 27	04 33	20	R 39	22	33	27	31	26	53	15	43		
2607 29	04 31	20	37	22	R 36	00	10	01	MM	34	12	24	

M. W. Moons quart. Alpects. Courts &c ☽rise. ☽ place. mut. alp

1 4	□ ☽	△ ☽				9. 11	☽ 08						
2 5		△ h ♀				10	41	21					
3 6	△ ☽					11	43	04					
4 7	● Full moon 58 m past 10 night &					12	43	17					
5 8		□ h ♀ △ ☽				13	44	II 09					
6 9	*h □ ☽ ☽					14	45	14					
7 10	C. Court Fairfield *					15	46	28					
8 11	C. Court New-Haven					16	46	13					
9 12	△ ☽ * ☽ Down Bratt					17	47	27					
10 13						18	47	11					
11 14	I See. guar. 16 m past 10 night &					19	48	25					
12 15	(○ h ♀ △ Ma					20	↑ ♀ 09	18					
13 16	△ ☽ ☽ ☽					21	49	23					
14 17	*h ♀ ☽ ☽					22	50	07					
15 18	1572 K. Edward I. Reign. 24 y.					23	51	21					
16 19	h ♀ * 1558 Eliz. R.					24	52	05					
17 20	● New moon 45 m past 10 night					25	53	13					
18 21	△ h ☽ ☽					26	53	17					
19 22						27	54	11					
20 23	△ Ju. ☽ ☽					28	55	14					
21 24						29	55	27					
22 25	△ ☽ ☽					30	56	10					
23 26						31	58	22					
24 27	* ☽ ☽ Satura					1	59	04					
25 28	○ Jupiter					2	00	16					
26 29	Fir. quart. 40 m p. 11 night &					3	01	28					
27 30	Snow Courts ye ☽					4	02	10					
28 1	Cou. Court Salem ☽ * ☽ Δ ☽					5	03	22					
29 2	△ ☽ Satur. Jupiter					6	04	04					
30 3	□ Venus					7	05	16					
						8	05	29					

Aufzugth.

Ground  
car away  
7. 13. Loft.

This month, som: men will either starved be  
Or Eat; dead Horse and Dogs ( I it foresee )  
For Curriour ( such as Crows ) will be good meat,  
And would, by men when kil'd, be gladly eat.  
But they that dread this time will much Rejoice  
When that they hear of the next month the voice.

December hath 31 dayes.

D. ♂ rise ♀ let h place ♀ place ♂ place ♀ place ♀ pl

1	07	32	04	28	20	32	22	33	02	46	05	58	05	→ 37
6	07	33	04	27	20	25	32	07	05	16	10	03	05	D 15
1	07	34	04	26	30	15	22	14	07	45	13	44	08	31
6	07	33	04	27	20	03	21	57	10	07	16	57	13	49
1	07	32	04	28	19	48	29	36	13	27	19	36	20	09
6	07	29	04	31	19	31	21	11	14	40	31	24	26	58

4 W.Moore's quart, Aspect Courts &c. ⊙ plac. 3 pl. mut. Aspect

1	6	1165 K Stephen R. 18 y.	20	1	3	12
2	7	△ ♂ ♀ Mer.	21	2	4	5
3	8	Full moon 30 m. p noon	22	1	2	3
4	9	□ ♂ Govt. Cranfield.	23	12	23	13
5	10	★ ♂ ♀ △ Mer.	24	13	07	Mer. Dir.
6	11	△ ○ ♂ ♀ △ h	25	14	32	
7	12	□ ♀	26	15	07	
8	13	Shortest day	27	16	22	
9	14	Sec. quart. at 4 morn. ♂ ♂	28	17	06	Perig.
10	15	★ h ♀	29	18	20	
11	16	★ ○	30	19	04	
12	17	□ h	31	20	18	
13	18	h ☽ ☽ ☽ ☽ ☽	32	21	02	
14	19	★ ☽	33	22	15	
15	20	h ☽ ☽ ☽ ☽ ☽	34	23	28	
16	21	★ ☽	35	24	11	
17	22	Trine h	06	25	28	
18	23	Now moon 55 m p. 3 altern.	07	26	06	
19	24	C. Charlstowne	08	27	18	
20	25	Fast at Mr. Mathews	09	28	04	Sex ♀ Me.
21	26	Trine Mars	10	29	12	Fr. h Jup.
22	27	□ Jupiter h	11	30	24	PS2. Ve.
23	28	♂ ♀	12	31	06	Ju. Mer.
24	29	★ ○	13	32	18	
25	30	□ ♀	14	33	37	Mar.
26	31	C. Fast quart. 43 m. p. 7 n.	15	34	40	Jn. Ve.
27	32	△ h ♀	16	35	41	
28	33	△ ♀	17	36	43	
29	34	Joseph Pyne	18	37	44	
30	35	Sexile Saturn ♀	19	38	45	
31	36	△ ♀	20	39	46	
						Soi Ju.

His Month, 'twill Rain such store of Sack, (each night)  
That any man that Tubs doth empty quite,  
And leave abroad, and them the next day view,  
He'll find them full of pure good Sack: Its true.  
But unto such I write, as cannot Crede,  
That Bull's did ev'r out of mens mouths proceed.

January hath 31 dayes.

D. ☽ rise ☽ set ☽ place ☽ place ☽ place ☽ place

1.07	25	04	35	19	07	20	02	34	17	19	22	22	30	05	W. 57
6.07	22	04	38	18	47	20	01	19	20	22	R	22	13	2.	
11.07	18	04	43	18	25	19	24	21	13	21	08	20	5.		
16.07	12	04	46	18	01	18	45	22	56	18	58	28	5.		
21.07	07	04	53	17	27	18	04	25	34	16	02	07	2.		
26.07	02	04	58	17	13	17	25	25	50	13	01	15	37		

M. W Moons quart. Aspect. Courses &c. ☽ pla. ☽ pla. mut. Af.

1.2	☽ Mercury	21	W. 50	☽ Got Tide rise	Box.
2.3	● Full moon 23 m p. 9 night &	22	49	16	Fath.
3.4	▲ very high tide night. (□ ☽	23	50	☽ Perig.	g. Rain.
4.5	☽ ☽ * ☽ ☽ ☽ ☽ ☽	24	51	16 ☽ Sb.	
5.6		25	52	☽ 01 * Sat. ☽	
6.7	△ Mercury g. Snow.	26	54	16 Tide fall	
7.8	▲ Trine ☽	27	55	☽ 00 S. Jn. Mar	
8.9	* Sat. Jupiter ☽ Mars □ Mer.	28	56	14	
9.10	Second quart. 28 m p. 2 aft	29	57	28	
10.11		30	58	☽ 12	dyes.
11.12	□ Saturn Jupiter Venus * Mer.	31	59	23 Tr. Ma. V.	
12.13	Landlady Jane	32	00	23 Tr. Ma. M.	Friend.
13.14	Trine Sat. * Jupi. Mars Venus	33	01	21	
14.15		34	02	☽ 03	
15.16		35	04	85	
16.17	□ Mars ☽ Mercury Boreas	36	45	26 ☽ Ju. Ve.	
17.18	● New Moon 33 m p. 10 morn	37	06	☽ 08 Sol Eclip.	Vacapar.
18.19	○ Saturn Jupit ☽ Ve. Tri. Mar.	38	07	20 ☽ Sat. Ve.	
19.20	Mr T. Weld Box.	39	08	20 ☽ 02 dyes.	
20.21	Do 17. d. Boreas 19. d.	40	08	15	
21.22	* ☽ Mercury Much	41	09	26	
22.23	Trine Sat. Jup. ☽ Mars Sex. V.	42	10	☽ 08 Snow & Rain.	
23.24		43	11	20	
24.25	Fast O. meet. Hallie.	44	12	☽ 02 ☽ Sol V.	
25.26	First quart. 45 m p. 1 aft. 13 29	45	13	15 ☽ Ve. Me.	
26.27	(K. Edw. 3 R. 50 y.	46	14	23 qu. Sa. V.	
27.28	Sext. Sat. Jupi. Tri. Venus Mer.	47	14	24 ☽ Sol. Sa.	Thaw.
28.29	1547 K. Edw. 6 R. 5 y Tr. ☽ Mar.	48	14	25 ☽ Sol. Me.	
29.30	31648 K. Charles 2 Reign. □ Mar.	49	15	24 ☽ Sa. Jup.	
30.31	of Saturn Jupiter	50	16	24 ☽ 09 Tides rise	

**N**ow Glacial Boreas Loris it for a time,  
And Monarch-like counts Tyranny no crime,  
He upon Vessells an Embargo layes,  
And men and beasts he from their bus'nesse stayes.  
His breath's so strong, 't wil allmost overthrow  
Those that do dare against him for to goe.

Flocks of Pigeons are seen  
this moneth at Newburie.

February hath 30 dayes.

	D.	rise	set	h <sub>2</sub> place	♀ place	♂ place	Ω place	Ω place
01	06	52 05 08	16 52 +3	16 52 39	27 25	09 34	26 14	
06	06	46 05 14	16 20 15	59 28	27 07	43 05	22 22	
11	06	39 05 21	15 26 13	22 29	10 05	43 14	43 43	
16	06	32 05 28	15 34 4	47 39	49 06	50 23	27 27	
21	06	24 05 36	15 14 24	15 29	53 07	49 00	48 48	
26	06	17 05 43	14 55 13	27 2, R 44	09 40	05 05	56 56	

MW Moons-quar. Alpects Courts &c. C. pl. C p: a, min. A. S. rest

1	Full moon 2 m past 10 fore u&c 23	mw	06	Ec. & pie
2	6 Edw. Dudley. (8 ♡ X ♂ 24 19 18 09		Tri. ♂ ♀	
3	7	25 19	24	Perig.
4	8 Δ ♀	26 20	09	Tide fall
5	9 * h ♡ Δ ♂ ♂ ♂	27 20	23	
6	10 □ ♀ Δ ♀ Braintry	28 21	08	Tri. ⓧ ⓧ
7	11 21	29 21	23	
8	12 sec. quart. 40 m.p. 3 morn. &c 00	22	05	
9	13 Δ ♡ h (* ♡ □ ♀ 01	22	17	
10	14 07 * ♂ ♂	01 22	00	
11	15 * Mercury Thaw cloudy	02 23	12	
12	16 Thaw cloudy ⓧ dark	03 25	24	
13	17 Thaw dark cloudy ⓧ ⓧ	04 24	06	Mer. dire.
14	18 18 18 18 18 18 18	05 24	18	
15	19 19 19 19 19 19 19	06 24	00	Apog.
16	20 20 20 20 20 20 20	07 25	12	Rain Night.
17	21 21 21 21 21 21 21	08 25	24	
18	22 22 22 22 22 22 22	09 25	06	Cloudy
19	23 23 23 23 23 23 23	10 25	18	Wet.
20	24 24 24 24 24 24 24	11 25	00	
21	25 25 25 25 25 25 25	12 35	12	
22	26 26 26 26 26 26 26	13 25	25	
23	27 27 27 27 27 27 27	14 25	04	
24	28 28 28 28 28 28 28	15 25	08	Retrop.
25	29 29 29 29 29 29 29	16 25	21	
26	30 30 30 30 30 30 30	17 25	04	
27	31 31 31 31 31 31 31	18 25	18	misty.
28	32 32 32 32 32 32 32	19 25	03	Wind.
29	33 33 33 33 33 33 33	20 25	18	wether.
30	34 34 34 34 34 34 34			

abundance of  
Snow & Rain this winter.

No marvell if Fish do appear in th' Skye,  
A'nt there their Element' quar'ns stands by,  
And with his unexhausted watery Spout,  
Wilt Nimbose streames be ever pouring out.  
Thus Sol in all his goings we have trac'd,  
And where we found him, there we leave him plac'd.

## A N

### Explanation of the Preceding Ephemeris, fitted to the Meridian of their Pates whose Poles are least Elevated, Longitude little or none.

**R**eadign without Understanding, is one way to introduce the tongue of a Parrot into the head of a Rational creature:

This heedless reading is that, that hath caused many men Parrot-like to talk of things so by Roast, and so absurdly, that one would be ready to think, that man might properly suffer the distribution of Animal in genere, into Rationall and Irrational Beings. I remember a Learned man being about to prove that Brutes were Irrationall, or beings without Reason among the rest of his *gravia argumenta* [ weighty arguments ] to this end, doth lay down this *viz.* ( *quod nec causas, nec effecta rerum intelligunt*, ) their not understanding of the causes or effects of things ; and truely, if this argument doth sufficiently prove the thing intended, ( as I suppose no man that doth understand it aright will deny ) then I think I should not be guilty of a weak, or false argumentation, if from its being so with many men, I should inferr the Irrationallity of many who bear the title of Rational creatures. They are such who perhaps have attained to the perfect knowledge of the *ots* of these and those things, ( a knowledge where of even bruit beasts may attain unto ) but as for a right understanding of the *dicti* of them, their Pates truely are so shallow, that it is ( if not impossible yet ) very improbable, that it should ever harbour these.

In a word, many men there are, who though they are potentially Rational, yet actually are they not Irrational beings ? But seeing that they are arrived at a Port, so near to that of Rationality as that they are potentially ( yet should be actually ) there, I think it would not be amisse, if every one would endeavour ( as opportunity does serve ) the turning this *potentia in actum* ; Having respect to the verity of that Philosophical axiome, *Frustra est potentia quæ non traducitur in actum*.

This indeed is the end, which I have proposed to my self in making that improvement of the va-

gant

cant piece of paper which you see I have; That men might not only know the *ots* of things made mention of in the *Ephemeris*, as that there will be an *Eclipse* of the Sun or Moon or such a Configuration on this or that day, and the like; but that they may also know the *diots* of them, what the Reason of an *Eclipse* of the Sun or Moon is; and whence it comes to passe that there is said to be a *Trine*, *Quartile* and the like of these and those Planets at such times, &c

And that I might attain my end, I have (not having over-much regard to concisenesse or propriety of words) Spoke to things so largely and so plainly, that even men of mean capacities may come to know a Reason for, and the meaning of many things here made mention of, which before (perhaps) they were wholly ignorant of. And first of,

### The notation of the word, Ephemeris.

**E**phemeris is a compound Greek word, made up of *epi*, and *emera*, signifying a Journall, Diary, or Day-book. In an Astronomicall sense, it is a methodicall table of Astronomicall Calculations, fitted to a certain place, and for a certain time. Or, it is a Day book, wherein the Heavenly minded Ephemeridist, does keep an account of the Celestial motions, *Eclipses* of the Luminaries, Planets Configurations, and things of the like nature.

### Of the Christian Era.

**A**N Era or (which is all one) an *Epycha* is a remarkable term of time, from which we reckon our dayes, monlhs, or years.

Very many have these *Eraes* been, since the beginning of the world, but a mentioning thereof I must here omit.

Since the time of Christ (among others) the *Diocletian Era* was much in request, but *Dionysius Exiguus*, thinking the time of our Saviours birth fitter to be kept in remembrance, then of such a wicked Tyrant, he altered that *Diocletian Era*, (Anno 522) causing it to have its rise from the time of Christ's Nativity, and from hence it is called the *Christian Era*.

## Of the Julian Year, and Bissextile or Leap-year.

The Roman year, after sundry alterations, yet being such, as that the observation thereof did occasion much confusion: *Julius Cæsar* ( who flourished *Anno mundi* 3900 or thereabouts ) coming to the Throne, does again renew its alteration, and makes ( as it was then thought ) a perfect rectification of the year.

The year which first was observed by the Romans, was that, constituted by *Romulus*, consisting of ten months, or 304 dayes; but *Numa Pompilius* ( the second *K. of Rome* ) perceiving that this their computation would breed confusion ( causing Summer months to happen in winter; & *contra* ), adds 50 days thereto, thereby making the year to consist of 354 dayes, which is a synodical year of the Moon.

A while after on a superstitious conceit of the odd number, he adds one and makes it 355, but this their year falling short of the true year, the space of 10 dayes and 6 hours, they were forced every eighth year, which they called their Leap year, to adde three moneths.

Thus the *Romans* reckoned their years till the time of *Julius Cæsar*, who, after he had vanquished *Pompey*, and so ended the civil Wars, sends to *Egypt* for *Sosigenes*, and consulting him, sets himself to the finding out a way, whereby this their year might be further rectified. After hard study the results, that ( having no regard to the lunar year ) ten days should be added to the year they then observed, and every fourth year there should be a day inserted between the 23. & 24. of *February*, which should be called *Bissextile*, ( that is twice a *extile* ) there being every such year two *Sextiles* of the *Calends of March*, the 23d. of our *February* being one, and the day inserted, being the other.

## Of the Gregorian Calendar.

The exact time of a solar year, being but 365 days 5 hours 9 minutes, and 16 seconds; and the *Julian year* being 366.

whole dayes, hence is the Julian year greater then the solar 10 minutes & 44 seconds, and consequently the Equinoxes and Solstices must change their places annually so much, which alteration though yearly it is but small, yet in many years will come to be considerable.

At the time of the *Nicene Counsel* (Anno Christi 325.) the vernal Equinox was on the 21<sup>st</sup> day of *March*; in *P. Gregory* (the thirteenth) his time (Anno Christi 1582.) it was gone back to about the 11<sup>th</sup> of March, but the Pope (having a mind to reduce it to the day that it was on, at the time of the forementioned Counsel) did cause 10 dayes in October to be left out, and the 5<sup>th</sup> day to be called the 15<sup>th</sup>. And at that time so excellently did he cause their Calendar to be composed, that should the world last 20 thousand years, yet would the Equinox scarce be on the 20<sup>th</sup> of *March*; whereas (according to us) (should the world continue but half so long) the vernal Equinox would be on the latter end of *December*; and at length, it would not be at all strange to see snow in summer.

But certain it is, that notwithstanding the defect of our Calendar; yet it might be soon corrected, & that, without the omission of the 10 dayes, only by the leaving out of the next 13 Leap years, and after that of three bissextiles in every 400 years. This would so fix our Equinoxes and Solstices as that it would not suffer an anticipation of a day in thousands of years.

### *Of an Eclipse of the Sun.*

That which we call an Eclipse of the Sun, might more aptly be stiled an eclipse of the Earth, for indeed the Sun at such a time is not deprived of any light, but the Earth, by reason of the intervening of the Moon; yet because the Sun in respect of us is deficient, hence we call it an eclipse of the Sun.

This solar eclipse is an obscuration of the sun arising from a diametral interposition of the moon between the sun and our sight.

This eclipse of the Sun (if natural) happens only when there

there is a new Moon, for then only can there be an intervening thereof between the sun and our sight, ( and hence the eclipse which happened at the time of Christs suffering was a preternatural or miraculous Eclipse ; for it is evident, that it was at *Easter*, when the Moon was at the full; &c.) but yet there is not an eclipse of the sun every new moon, that is, every time the moon is in conjunction with the sun ; because of the latitude of the moons orbit, which the suns is without : For you must understand, that the ecliptick line, in which the sun alwayes doth continue, is a line in the Zodiack without any latitude, whereas the Zodiack in which the moon keeps ( she straying out of the Ecliptick ) hath latitude, so that there may be a conjunction of them, that is, they may both be in one sign and yet not cause an eclipse : but when the moon comes to be in the same point of the ecliptick where the sun is, and hath little or no latitude, then there happens to be an Eclipse.

The same eclipse of the sun may be total in some parts, partial in others, and none at all in other parts of the world. But if any one should count it strange, that there should be a total eclipse of the sun, or ( which is all one ) that the moon, which is several hundreds of times less then the sun, should ever wholly hide it from us, he may here read a reason for it, namely, the nearness of the moon to our sight ; A mans hand put before his eye will hide a thing, ( suppose a man ) that is a thousand times bigger then his hand from his sight, and that though his hand be no nearer his eye in respect of the man ( the object of his sight ) then the moon is to our sight in respect of the sun ; seeing then this seems no whit strange, why should that ? wheras the reason of both this, and that, is the same.

### *Of an Eclipse of the Moon.*

An Eclipse of the Moon is a privation of Solar light in the Moon, arising from a diametral interposition of the earth, between the sun and it. The Earth being a thick, and solid body, casts it's shadow to that point which is opposite to the sun, when therefore the moon at her full, or opposition

sition to the sun entreth into that obscure part on which the shadow of the earth falleth, she doth thereby lose the suns light, with which she shone, and so is darkened, which we call an eclipse of the Moon. And here we may note, that there is no star whatsoever that can come into this shadow, but the moon alone, in regard of her propinquity to the earth; for excellent Astronomers have found that the shadow of the earth is conical, & that the quantity of its extent from the centre of the earth, is 250 semidiamiters, and that the moon being farthest remote in its Apoge, is distant from the earth but 58. and therefore may enter into the said shadow, but Venus and Mercury though sometimes within the limits, yet they alwayes keep so near the sun, as that the masty Globe of the earth can never interpose so, as to hid the suns beams from them. As for Mars, he is reckoned to be ( in his mean motion ) from the earth 1745 Semidiameters, to which place the cone of the earths shadow never reacheth.

The reason why the moon is not eclipsed every month, (seeing every month she is in opposition to the sun) is becanfe of her wandring out of the ecliptick, for by reason thereof, she comes not to be directly opposed to the sun, & so to be out of the shadow of the earth which causeth the Eclipse.

Moreover Astronomers ( for the better measuring of the quantity of the eclipse ) do divide the diameter both of the sun and moon into 12 equal parts, which they call points or digits, but lest you should then count it a strange thing to read of the moons being eclipsed 20 or more digits, you must understand, that in lunar eclipses, the number of digits is reckoned according to the quantity of the shadow which may extend to almost 23 digits; so that by the 20 digits being Eclipsed is meant, that the shadow of the earth was such, as that it would have eclipsed the light of the moon, had it been eight digits bigger then it was.

*Of the Suns place, &c.*

In order unto the knowing of what is meant by the Suns, Moons, or any other of the Planets places which you read of

every month, you must first be acquainted with the Characters, by which the signs and planets are noted, and to this end I have set down their names, and the Characters thereof: And first of the twelve signs, their characters and names.

V	Aries	Are the N. signs	II	Libra	Are the S. signs
X	Taurus		m	Scorpio	
II	Gemini		z	Sagittarius	
g	Cancer		W	Capricornus	
l	Leo		W	Aquarius	
mg	Virgo		K	Pisces.	

*Of the seven Planets, their Characters and Names.*

h	Saturn	Are the Planets	o	Venus
u	Jupiter		o	Mercury
g	Mars		o	The Moon.
o	The Sun		o	

Now, these signs are fixed stars ( though it is true, they do move slowly, about a degree in 71 years ) which do reside in the Zodiack, [ A circle in the heavens cutting the Equinoctial line obliquely ] each sign possessing a 12th part thereof, that is 30 degrees: And under the firmament in which the Zodiack line is imaginined to be, there are 7 orbs, an orb for each Planet: Now these Planets moving continually in that is under the Zodiack, must needs be constantly under one of the forementioned signs; and now that sign that a Planet at any time is under, there is that Planets place said to be at that time. For Instance.

It is said, first of March, Saturns place o  $\text{A} 22.$  now the meaning thereof is, that the first day of March, the Planet Saturn is o degree 22 minutes in the sign Leo; for where there are two figures set down with the sign that a Planet is in

the first signifieth degrees, the second minutes; but where there is but one set down (as in the place of the moon every month) there the figure signifieth degrees, as on the first day of March in the column entituled  $\Delta$  place, there is written  $\sqrt{19}$  the meaning whereof is, that the moon is 19 degrees in  $\sqrt{}$  on the first of March.

Here you may observe, that as 12 signs make a circle, and 30 degrees a sign, so 60 minutes make a degree.

Here you may consider the signs and planets as to their nature, motion, &c. And first of the signs, their nature and motion.

$\sqrt{\Delta}$  &  $\sqrt{\gamma}$  Are accounted Cholerick, Hot and Fiery: these three signs do coasitute the fiery Trigon.

$\Delta$   $\gamma$   $\gamma$  Are Melancholly, Earthy and Dry; these constitute the Terrene or earthly Trigon.

$\gamma$   $\gamma$   $\gamma$  Are the Sanguine, Airy and moist signes, which constitute the Airy Trigon.

$\gamma$   $\gamma$   $\gamma$  Are Phlegmatick, Watery and Cold, which constitute the Aqueous, or watry Trigon.

The proper diurnal motion of the 8<sup>th</sup> Sphear, or Heaven, in which these signs or fixed stars do reside, is 8 thirds, 25 fourths, and 12 fifths.

#### *Of the Planets Nature and Motion.*

$\gamma$  Saturn the highest Planet, is by nature cold, and dry: he performs his revolution in 29 years, 162 days and almost two hours.

$\Delta$  Jupiter is by nature hot and moist; he finisheth his Zodial Period in 11 years, 316 dayes.

$\gamma$  Mars is by nature hot and dry in excess; he finisheth his course in one year; and 322 dayes.

$\gamma$  The Sun is hot and dry, he finisheth his course in 365 dayes, 5 hours 49 minutes, 16 seconds: and this is the exact quantity of a Solar year.

$\gamma$  Venus is temperately hot and moist; she finisheth her course ( to our appearance ) in about a years time.

$\gamma$  Mercury is by nature cold and dry, and finisheth his course also

also ( to our appearance) in about one years time.

► The Moon is by nature cold, and moist ; she runneth her course in 27 dayes, 7 hours, 43 minutes, 6 seconds.

Of these Planets, some are reckoned unfortunate or malevolent, viz  $\text{K}$  &  $\text{S}$  others fortunate or benevolent, as  $\text{U}$  &  $\text{Q}$ , and the rest mean or indifferent. Now the consequent of the fortunate Planets copulation is benevolent, of the unfortunate ones malevolent ; and of the mean, indifferent.

The Air is rarely much altered, unless some of the Planets be Aspected. But seeing that other things are needful to be observed in order to artificial prejudications of the weather, besides the Planets Aspects ; it cannot but be presumption in any man to venture on a foretelling thereof, having only a regard unto them.

#### of the Aspects.

The principal configurations or aspects are five, Conjunction, Sextile, Quartile, Trine, and Opposition. Conjunction is when two Planets are in the same sign and is thus marked  $\text{S}$ .

Sextile, when they are two signs distant, being thus characterised  $*$ .

Quartile when they are 3 signs distant, thus marked  $\square$ .

Trine when they are distant 4 signs, thus marked  $\Delta$ .

Opposition when they are distant 6 signs, marked thus  $\text{P}$ .

$\text{H}$  &  $\text{D}$  Stand for Dragons head, and Dragonstail, which are two points in the Ecliptick, in which the Moon cuts the Ecliptick line.

A Planet is said to be in its Apoge when farthest from ; in its Perige when nearett to the earth. Direct, when it moves according, Retrograde, when it moves contrary to the order of the signs.



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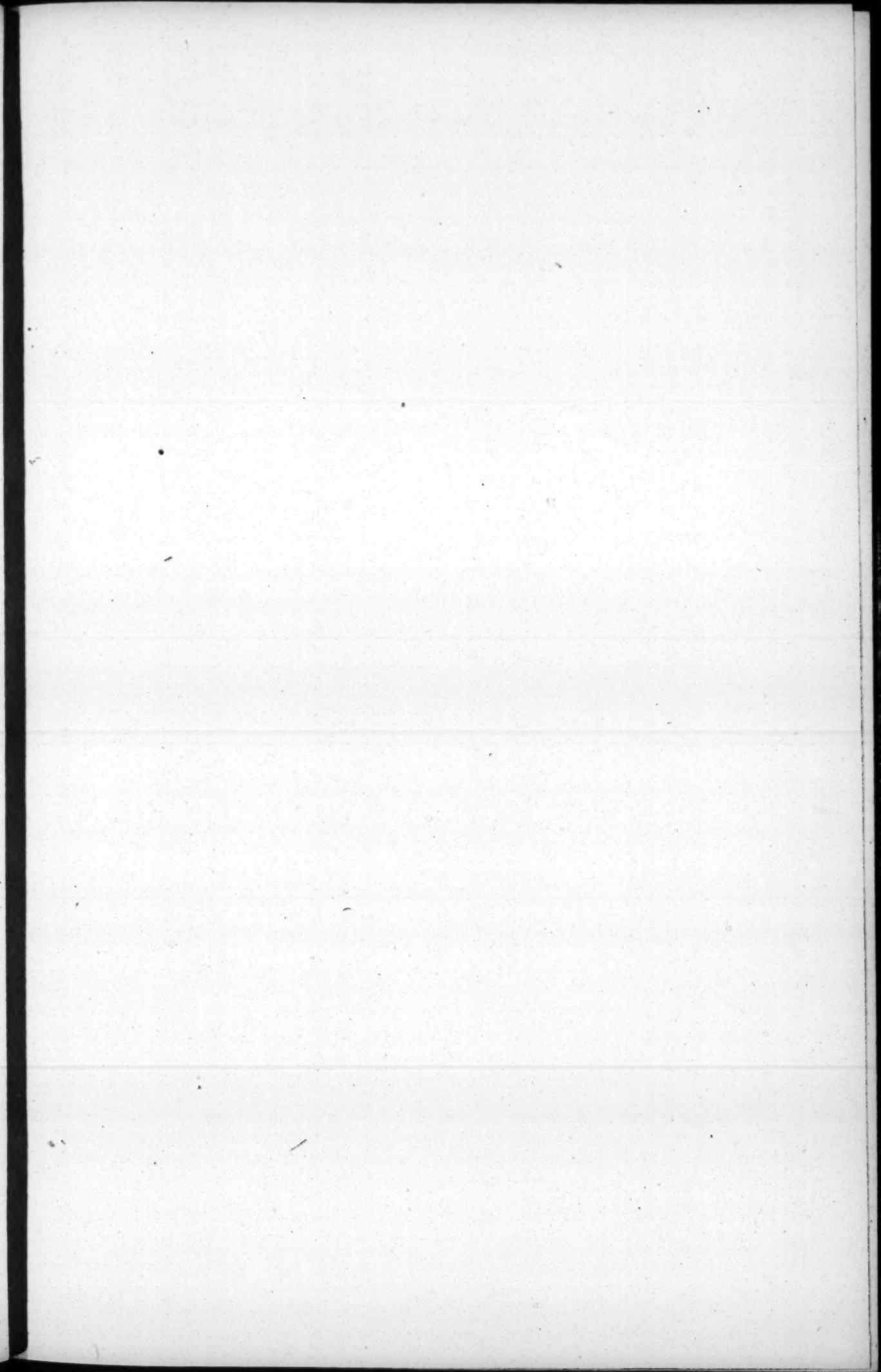
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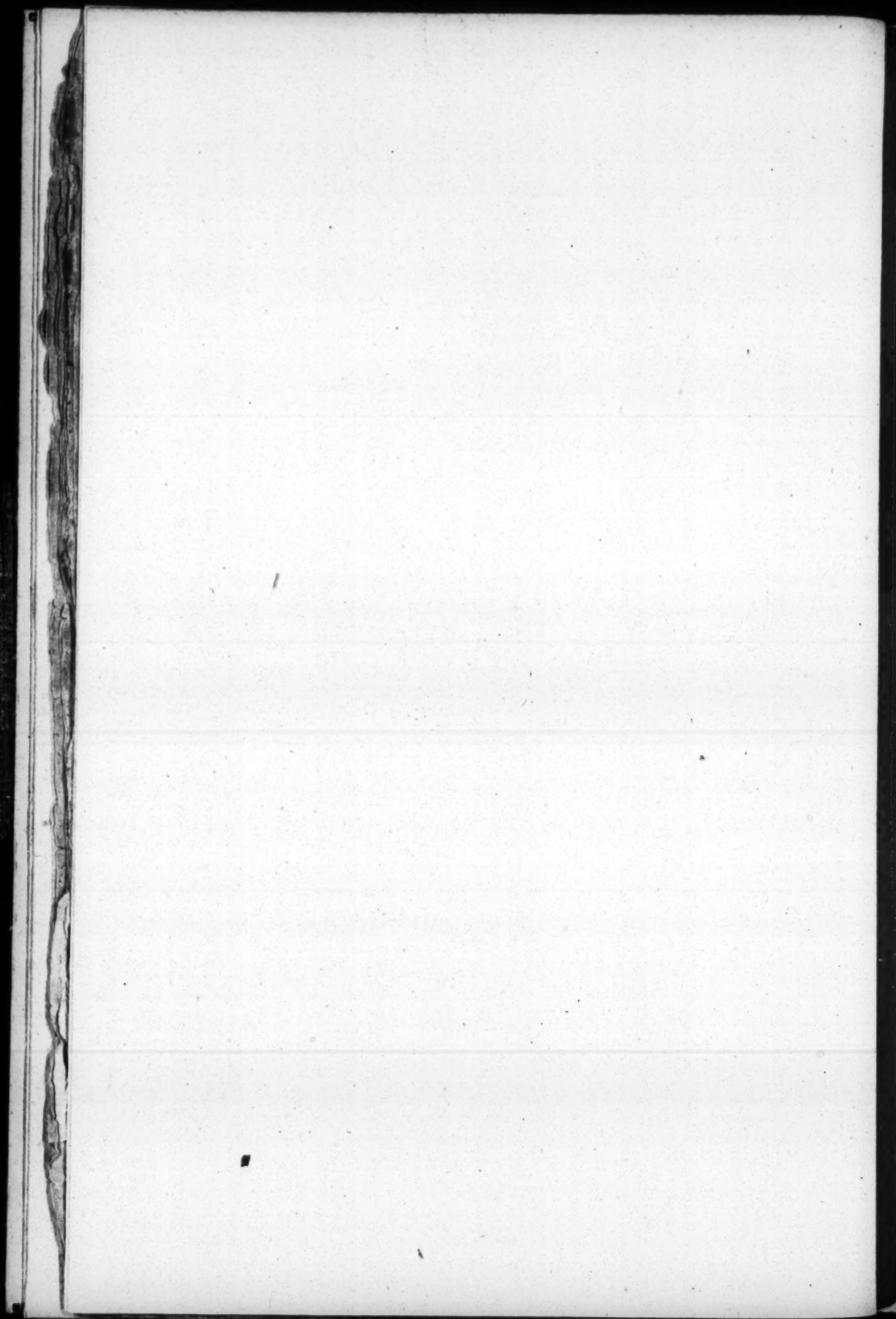


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